

CLAIMS

1. (PREVIOUSLY PRESENTED) A method for caching information in a browser comprising:
 - (a) requesting a first web page;
 - (b) receiving the first web page in a browser in response to the request, wherein the first web page comprises an applet tag;
 - (c) requesting an applet identified by the applet tag;
 - (d) receiving the applet;
 - (e) executing the applet, wherein the applet is configured to:
 - (1) request one or more web objects that are likely to be accessed next as part of one or more additional web pages that are likely to be requested by a user;
 - (2) receive the one or more requested web objects;
 - (3) precache the one or more requested web objects by copying the one or more requested web objects into a cache of the browser;
 - (f) receiving a request from the user for a second web page;
 - (g) retrieving the web object from the cache for the second web page in response to the request from the user; and
 - (h) displaying the retrieved web object, as part of the second web page, in the browser.
2. (PREVIOUSLY PRESENTED) The method of claim 1 wherein the one or more web objects is a hypertext markup language (HTML) document.

3. (PREVIOUSLY PRESENTED) The method of claim 1 wherein the applet is further configured to receive an object list of the one or more web objects likely to be accessed next and wherein the request for the one or more web object is for one or more web objects in the object list.

4. (ORIGINAL) The method of claim 3 wherein the one or more web objects in the object list are ordered by statistical significance and the applet requests each web object in the list in the statistical significance order.

5. (PREVIOUSLY PRESENTED) The method of claim 1 wherein the request for one or more web objects comprises a request for statistical information regarding the additional web pages most likely to be accessed directly after the current web page being viewed on the browser and wherein only one or more statistically significant web objects are received by the applet.

6. (ORIGINAL) The method of claim 1 wherein the applet is further configured to:
parse contents of the web page; and
create a web object list that contains each link to another web page that is identified from the parsing, wherein each web object requested by the applet is a web object from the web object list.

7. (PREVIOUSLY PRESENTED) The method of claim 6 wherein upon receiving one or more web objects requested from the web object list, the applet is further configured to:
parse contents of the web object received;

identify any link to another web page; and
add the identified link to the web object list.

8. (PREVIOUSLY PRESENTED) The method of claim 1 wherein the applet does not interfere with normal processing of the browser.

9. (PREVIOUSLY PRESENTED) A method for caching information comprising:

- (a) receiving a request for a first web page in a server;
- (b) obtaining the first web page comprising an applet tag;
- (c) transmitting the first web page to a client;
- (d) receiving a request, in the server, for an applet identified by the applet tag;
- (e) transmitting the applet to the client, wherein the applet is configured to:
 - (1) request, from the server, one or more web objects that are likely to be accessed next as part of one or more additional web pages that are likely to be requested by a user;
 - (2) precache the one or more requested web objects by copying the one or more requested web objects into a cache of a browser on the client;
- (f) transmitting the requested web object to the client; and
- (g) wherein the client is configured to:
 - (1) receive a request from the user for a second web page;
 - (2) retrieve the web object from the cache for the second web page in response to the request from the user; and

(3) display the retrieved web object, as part of the second web page, in the browser.

10. (ORIGINAL) The method of claim 9 wherein the obtaining comprises retrieving a static web page from a web page library on the server.

11. (ORIGINAL) The method of claim 10 further comprising adding an applet tag to the static web page.

12. (PREVIOUSLY PRESENTED) The method of claim 9 wherein the obtaining comprises using a filter that dynamically tags the first web page as the first web page is being transmitted to the client.

13. (PREVIOUSLY PRESENTED) The method of claim 9 wherein the obtaining comprises dynamically creating the first web page.

14. (ORIGINAL) The method of claim 9 further comprising transmitting a web object list to the client.

15. (PREVIOUSLY PRESENTED) The method of claim 9 further comprising maintaining access statistics for the first web page, wherein the access statistics are statistics for web objects accessed after the first web page.

16. (ORIGINAL) The method of claim 15 wherein the maintaining comprises maintaining a web agent table with slots, wherein each slot represents a location to find the access statistics for a web page.

17. (ORIGINAL) The method of claim 16 wherein a hash function performed on a uniform resource locator (URL) for a web page identifies the slot containing the access statistics for that web page.

18. (ORIGINAL) The method of claim 16 wherein the access statistics in each slot are ordered by most linked to web objects to least linked to web objects.

19. (ORIGINAL) The method of claim 18 further comprising transmitting a subset of the slot for the requested web page to the applet.

20. (PREVIOUSLY PRESENTED) A system for caching information comprising:

- (a) a client;
- (b) an application on the client, the application configured to:
 - (1) request a first web page;
 - (2) receive the first web page in a browser in response to the request, wherein the first web page comprises an applet tag;
 - (3) request an applet identified by the applet tag;

- (4) receive the applet;
- (5) execute the applet, wherein the applet is configured to:
 - (i) request one or more web objects that are likely to be accessed next as part of one or more additional web pages that are likely to be requested by a user;
 - (ii) receive the one or more requested web objects;
 - (iii) precache the one or more requested web objects by copying the one or more requested web objects into a cache of the browser;
- (6) receive a request from the user for a second web page;
- (7) retrieve the web object from the cache for the second web page in response to the request from the user; and
- (8) display the retrieved web object, as part of the second web page, in the browser.

21. (PREVIOUSLY PRESENTED) The system of claim 20 wherein one or more of the web objects is a hypertext markup language (HTML) document.

22. (PREVIOUSLY PRESENTED) The system of claim 20 wherein the applet is further configured to receive an object list of the one or more web objects likely to be accessed next and wherein the request for the one or more web objects is for one or more web objects in the object list.

23. (ORIGINAL) The system of claim 22 wherein the one or more web objects in the object list are ordered by statistical significance and the applet requests each web object in the list in the statistical significance order.

24. (PREVIOUSLY PRESENTED) The system of claim 20 wherein the request for one or more web objects comprises a request for statistical information regarding the additional web pages most likely to be accessed directly after the current web page being viewed on the browser and wherein only one or more statistically significant web objects are received by the applet.

25. (PREVIOUSLY PRESENTED) The system of claim 20 wherein the applet is further configured to:

parse contents of the first web page; and

create a web object list that contains each link to another web page that is identified from the parsing, wherein each web object requested by the applet is a web object from the web object list.

26. (ORIGINAL) The system of claim 25 wherein upon receiving a web object requested from the web object list, the applet is further configured to:

parse contents of the web object received;

identify any link to another web page; and

add the identified link to the web object list.

27. (ORIGINAL) The system of claim 20 wherein the applet does not interfere with normal processing of the browser.

28. (PREVIOUSLY PRESENTED) A system for caching information comprising:

- (a) a server;
- (b) an application on the server, the application configured to:
 - (1) receive a request for a first web page;
 - (2) obtain the first web page comprising an applet tag;
 - (3) transmit the first web page to a client;
 - (4) receive a request for an applet identified by the applet tag;
 - (5) transmit the applet to the client, wherein the applet is configured to:
 - (i) request, from the server, one or more web objects that are likely to be accessed next as part of one or more additional web pages that are likely to be requested by a user; and
 - (ii) precache the one or more requested web objects by copying the one or more requested web objects into a cache of a browser on the client;
 - (6) transmit the requested web object to the client
- (c) wherein the client is configured to:
 - (1) receive a request from the user for a second web page;
 - (2) retrieve the web object from the cache for the second web page in response to the request from the user; and

(3) display the retrieved web object, as part of the second web page, in the browser.

29. (PREVIOUSLY PRESENTED) The system of claim 28 wherein the server is configured to obtain the first web page by retrieving a static web page from a web page library on the server.

30. (ORIGINAL) The system of claim 29 further comprising adding an applet tag to the static web page.

31. (PREVIOUSLY PRESENTED) The system of claim 28 wherein the server is configured to obtain by using a filter that dynamically tags the first web page as the first web page is being transmitted to the client.

32. (PREVIOUSLY PRESENTED) The system of claim 28 wherein the server is configured to obtain by dynamically creating the first web page.

33. (ORIGINAL) The system of claim 28 wherein the server is further configured to transmit a web object list to the client.

34. (PREVIOUSLY PRESENTED) The system of claim 28 wherein the server is further configured to maintain access statistics for the first web page, wherein the access statistics are statistics for web objects accessed after the first web page.

35. (ORIGINAL) The system of claim 34 wherein the server is configured to maintain by maintaining a web agent table with slots, wherein each slot represents a location to find the access statistics for a web page.

36. (ORIGINAL) The system of claim 35 wherein a hash function performed on a uniform resource locator (URL) for a web page identifies the slot containing the access statistics for that web page.

37. (ORIGINAL) The system of claim 35 wherein the access statistics in each slot are ordered by most linked to web objects to least linked to web objects.

38. (PREVIOUSLY PRESENTED) The system of claim 37 further comprising transmitting a subset of the slot for the requested first web page to the applct.

39. (PREVIOUSLY PRESENTED) An article of manufacture comprising a program storage medium readable by a computer and embodying one or more instructions executable by the computer to perform a method for caching information, the method comprising:

(a) requesting a first web page;

- (b) receiving the first web page in a browser in response to the request, wherein the first web page comprises an applet tag;
- (c) requesting an applet identified by the applet tag;
- (d) receiving the applet;
- (e) executing the applet, wherein the applet is configured to:
 - (1) request one or more web objects that are likely to be accessed next as part of one or more additional web pages that are likely to be requested by a user;
 - (2) receive the one or more requested web objects;
 - (3) precache the one or more requested web objects by copying the one or more requested web objects into a cache of the browser;
- (f) receiving a request from the user for a second web page;
- (g) retrieving the web object from the cache for the second web page in response to the request from the user; and
- (h) displaying the retrieved web object, as part of the second web page, in the browser.

40. (PREVIOUSLY PRESENTED) The article of manufacture of claim 39 wherein one or more of the web objects is a hypertext markup language (HTML) document.

41. (PREVIOUSLY PRESENTED) The article of manufacture of claim 39 wherein the applet is further configured to receive an object list of one or more web objects likely to be accessed next and wherein the request for the one or more web objects is for a web object in the object list.

42. (ORIGINAL) The article of manufacture of claim 41 wherein the one or more web objects in the object list are ordered by statistical significance and the applet requests each web object in the list in the statistical significance order.

43. (PREVIOUSLY PRESENTED) The article of manufacture of claim 39 wherein the request for one or more web objects comprises a request for statistical information regarding the one or more additional web pages most likely to be accessed directly after the current web page being viewed on the browser and wherein only a statistically significant web object is received by the applet.

44. (PREVIOUSLY PRESENTED) The article of manufacture of claim 39 wherein the applet is further configured to:

parse contents of the first web page; and

create a web object list that contains each link to another web page that is identified from the parsing, wherein each web object requested by the applet is a web object from the web object list.

45. (ORIGINAL) The article of manufacture of claim 44 wherein upon receiving a web object requested from the web object list, the applet is further configured to:

parse contents of the web object received;

identify any link to another web page; and

add the identified link to the web object list.

46. (ORIGINAL) The article of manufacture of claim 45 wherein the applet does not interfere with normal processing of the browser.

47. (PREVIOUSLY PRESENTED) An article of manufacture comprising a program storage medium readable by a computer and embodying one or more instructions executable by the computer to perform a method for caching information, the method comprising:

- (a) receiving a request for a first web page in a server;
- (b) obtaining the first web page comprising an applet tag;
- (c) transmitting the first web page to a client;
- (d) receiving a request, in the server, for an applet identified by the applet tag;
- (e) transmitting the applet to the client, wherein the applet is configured to:
 - (1) request, from the server, one or more web objects that are likely to be accessed next as part of one or more additional web pages that are likely to be requested by a user;
 - (2) precache the one or more requested web objects by copying the one or more requested web objects into a cache of a browser on the client;
- (f) transmitting the requested web object to the client and
- (g) wherein the client is configured to:
 - (1) receive a request from the user for a second web page;
 - (2) retrieve the web object from the cache for the second web page in response to the request from the user; and
 - (3) display the retrieved web object, as part of the second web page, in the browser.

48. (ORIGINAL) The article of manufacture of claim 47 wherein the obtaining comprises retrieving a static web page from a web page library on the server.

49. (ORIGINAL) The article of manufacture of claim 48, the method further comprising adding an applet tag to the static web page.

50. (PREVIOUSLY PRESENTED) The article of manufacture of claim 47 wherein the obtaining comprises using a filter that dynamically tags the first web page as the first web page is being transmitted to the client.

51. (PREVIOUSLY PRESENTED) The article of manufacture of claim 47 wherein the obtaining comprises dynamically creating the first web page.

52. (ORIGINAL) The article of manufacture of claim 47, the method further comprising transmitting a web object list to the client.

53. (PREVIOUSLY PRESENTED) The article of manufacture of claim 47, the method further comprising maintaining access statistics for the first web page, wherein the access statistics are statistics for web objects accessed after the first web page.

54. (ORIGINAL) The article of manufacture of claim 53 wherein the maintaining comprises maintaining a web agent table with slots, wherein each slot represents a location to find the access statistics for a web page.

55. (ORIGINAL) The article of manufacture of claim 54 wherein a hash function performed on a uniform resource locator (URL) for a web page identifies the slot containing the access statistics for that web page.

56. (ORIGINAL) The article of manufacture of claim 54 wherein the access statistics in each slot are ordered by most linked to web objects to least linked to web objects.

57. (ORIGINAL) The article of manufacture of claim 56, the method further comprising transmitting a subset of the slot for the requested web page to the applet.